

<p align="center"><b>MATERIAL SAFETY DATA SHEET</b></p> <p align="center">In compliance with OSHA 29 CFR 1910.1200</p> <p align="center">N.ap means Not Applicable      NIA means No Information Available</p> <p>PREPARED BY : DR.W.R.ASHCROFT      DATE PREPARED : 21 OCT 1997      PAGE 1 OF 4</p>		
BELZONA INC., 2000 N.W. 88 COURT, MIAMI, FL 33172	<b>EMERGENCY PHONE NUMBERS</b> (Spill, Leak, Fire, Exposure or Accident)	
	800 424 9300 - Toll free in United States	
	202 483 7616 - For calls from outside the United States	
	<b>INFORMATION PHONE NUMBER</b> 305 594 4994 - Working hours only	

N.ap means Not Applicable      NIA means No Information Available

DATE PREPARED : 21 OCT 1997

PAGE 1 OF 4

**EMERGENCY PHONE NUMBERS**  
(Spill, Leak, Fire, Exposure or Accident)  
800 424 9300 - Toll free in United States  
202 483 7616 - For calls from outside the United States

**INFORMATION PHONE NUMBER**  
305 594 4994 - Working hours only

## SECTION I - PRODUCT IDENTIFICATION

## SECTION II - HAZARDOUS INGREDIENTS/TOXICOLOGICAL DATA

**CARCINOGENICITY**  
No data is available for the mixture, however, none of the ingredients are listed as carcinogens by OSHA, NTP, ACGIH or IARC.

### SECTION III - PHYSICAL DATA

#### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	: >100°C	EXPLOSION LIMITS	LOWER	:	N/A
TEST METHOD	: Setaflash		UPPER	:	N/A

**PRODUCT NAME** : Belzona® 1341 Base Gray & Blue (NSF Grade) **PAGE 2 OF 4**  
**PRODUCT NUMBER** : 1004/1334-1335 **DATE PREPARED** : 21 October 1997  
**N.ap means Not Applicable** **NIA means No Information Available**

---

OSHA FLAMMABILITY CLASS : N.ap  
FLAMMABILITY INDEX (NFPA) : 1 Slight  
REACTIVITY INDEX (NFPA) : 1 Slight  
HEALTH HAZARD (NFPA) : 2 Moderate  
EXTINGUISHING MEDIA : Water fog (not a direct stream of water), foam, carbon dioxide, dry chemical.

#### **SPECIAL FIRE FIGHTING PROCEDURES**

Wear protective clothing and use self-contained breathing apparatus to protect against any toxic fumes evolved. Full bunker gear should be worn in extreme cases. Use sand to contain burning material.

#### **UNUSUAL FIRE AND EXPLOSION HAZARDS**

Decomposition and combustion products may be hazardous.

### **SECTION V - HEALTH HAZARDS**

ROUTE(S) OF ENTRY : Skin contact, skin absorption, eye contact and inhalation.  
PRIME HAZARD(S) : Irritant

#### **EFFECTS OF EXPOSURE**

Acute : Irritating to eyes, respiratory system and in contact with skin.

Chronic : Sensitization and dermatitis.

#### **EMERGENCY AND FIRST AID PROCEDURES**

Inhalation : If symptoms are experienced, remove source of contamination and/or move victim to fresh air. If recovery is delayed or there are signs of distress obtain medical attention immediately.

Eye contact : Flush eyes with water for 15 minutes. Seek medical advice if any irritation persists.

Skin contact : Immediately remove excess with a clean cloth and wash skin thoroughly with soap and water. If irritation or inflammation persists, seek medical advice.

Ingestion : If swallowed, do not induce vomiting. Rinse mouth with water and drink plenty of water. Call TAMPA BAY Regional Poison Center (Tel.No.1-800-282-3171) and/or seek medical advice.

#### **MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

Skin, eye and respiratory conditions.

### **SECTION VI - REACTIVITY DATA**

STABILITY : Stable

STABILITY CONDITIONS TO AVOID : N.ap

#### **INCOMPATIBILITY (MATERIALS TO AVOID CONTACT WITH)**

Strong oxidizing agents, acids or epoxy resins, under uncontrolled conditions.

**PRODUCT NAME** : Belzona® 1341 Base Gray & Blue (NSF Grade)  
**PRODUCT NUMBER** : 1004/1334-1335  
**N.ap means Not Applicable**

**PAGE 3 OF 4**  
**DATE PREPARED** : 21 October 1997  
**NIA means No Information Available**

#### HAZARDOUS DECOMPOSITION PRODUCTS

Gaseous combinations of carbon, hydrogen, nitrogen and oxygen may occur at elevated temperatures.

#### HAZARDOUS POLYMERIZATION

Hazardous polymerization will not occur when stored and used as directed.

#### POLYMERIZATION CONDITIONS TO AVOID

N.ap

### SECTION VII - SPILL AND LEAK PROCEDURES

#### SPILLAGE

Absorb with an inert material (e.g. earth or sand). Sweep up, place into suitable labelled containers, seal and dispose of properly. Flush area with detergent and water.

#### WASTE DISPOSAL METHODS

Dispose of in accordance with Local, State and Federal Regulations.

### SECTION VIII - SPECIAL PROTECTION INFORMATION

#### PERSONAL PROTECTIVE MEASURES

**RESPIRATORY** : In confined areas or where good natural/mechanical ventilation is not available an appropriate NIOSH or MSHA approved respirator should be worn.

**SKIN** : Impermeable gloves, such as Neoprene, Nitrile or PVC. Wash hands with soap and water and use hand cream. Suitable protective clothing to minimize skin contact. Remove contaminated clothing and wash before reuse.

**EYE** : Safety glasses or goggles. Eyewash station.

#### MECHANICAL PROTECTIVE MEASURES

**VENTILATION** : Where adequate natural ventilation is not available provide suitable local exhaust ventilation.

#### OTHER PROTECTIVE EQUIPMENT

: Where there is a risk of contamination of footwear, safety boots should be worn and cleaned thoroughly before reuse.

#### OTHER COMMENTS

: Where machining or abrading of cured material leads to the production of respirable and/or nuisance dust, an appropriate NIOSH or MSHA approved respirator should be worn.

PRODUCT NAME : Belzona® 1341 Base Gray & Blue (NSF Grade)  
PRODUCT NUMBER : 1004/1334-1335  
N.ap means Not Applicable

PAGE 4 OF 4  
DATE PREPARED : 21 October 1997  
NIA means No Information Available

## SECTION IX - SAFE HANDLING AND STORAGE

### HANDLING AND STORAGE PRECAUTIONS

#### HANDLING

Avoid breathing vapors and contact with skin and eyes.

#### STORAGE

Overheating may cause containers to rupture. Containers should be stored under cool, dry conditions. Empty containers will retain residue and may be dangerous. Check all containers for leaks at regular intervals and before use.

#### HYGIENE PRACTICES

When using, do not eat, drink or smoke. Remove contaminated clothing and launder before reuse. Wash hands with soap and water after handling this product.

## SECTION X - REGULATORY INFORMATION

### SARA TITLE III - NOTIFICATION OF TOXIC CHEMICALS

None of the constituents of this product are subject to the reporting requirements under section 313 of the Superfund Amendment and Reauthorization Act of 1986 (40 CFR Part 372).

### DISCLAIMER

To the best of our knowledge, the information contained herein is accurate. However, some of the information presented and conclusions drawn are derived from sources other than direct test data on the product itself and while Belzona Inc. believe such sources to be reliable, the information is provided without any warranty regarding its correctness.

Since Belzona Inc. has no control over the conditions under which the product will be used, liability will not be assumed to exceed replacement or refund of the purchase price of this product. Except as stated herein, there are no express or implied warranties including implied warranties of merchantability or fitness for a particular purpose. Belzona Inc. assumes no liability for injury or incidental or consequential damage arising out of the storage, handling, use or disposal of this product.

<b>MATERIAL SAFETY DATA SHEET</b> In compliance with OSHA 29 CFR 1910.1200 N.ap means Not Applicable      NIA means No Information Available		
PREPARED BY : DR.W.R.ASHCROFT	DATE PREPARED : 21 OCT 1997	PAGE 1 OF 4
BELZONA INC., 2000 N.W. 88 COURT, MIAMI, FL 33172	<b>EMERGENCY PHONE NUMBERS</b> (Spill, Leak, Fire, Exposure or Accident) 800 424 9300 - Toll free in United States 202 483 7616 - For calls from outside the United States <b>INFORMATION PHONE NUMBER</b> 305 594 4994 - Working hours only	

<b>SECTION I - PRODUCT IDENTIFICATION</b>
---

PRODUCT NUMBER : 1101/1336  
 PRODUCT NAME : Belzona® 1341 (Supermetalgilde) Solidifier (NSF Grade)  
 PRODUCT CLASS : Epoxide resin

<b>SECTION II – HAZARDOUS INGREDIENTS/TOXICOLOGICAL DATA</b>
--

Hazardous Components	% by Weight	CAS Number	Exposure Limits			Toxicity		
			OSHA PEL	ACGIH TLV		LD <sub>50</sub>		LC <sub>50</sub>
			mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	Oral	Dermal	Inhal
						mg/Kg		ppm
DGEBF-Epoxy resin	15-40	28064-14-4	NIA	NIA	NIA	>2000	NIA	NIA
DGEB A-Epoxy resin	40-70	25068-38-6	NIA	NIA	NIA	>2000	NIA	NIA

**CARCINOGENICITY**

No data is available for the mixture, however, none of the ingredients are listed as carcinogens by OSHA, NTP, ACGIH or IARC.

<b>SECTION III - PHYSICAL DATA</b>
------------------------------------

APPEARANCE AND ODOR : Clear light yellow liquid. BOILING POINT : Decomposes VAPOR PRESSURE : NIA EVAPORATION RATE : N.ap SOLUBILITY IN WATER : Negligible (<0.1%)	SPECIFIC GRAVITY : 1.16 VAPOR DENSITY : NIA % VOLATILE BY VOLUME : N.ap
---	---

<b>SECTION IV - FIRE AND EXPLOSION HAZARD DATA</b>
--

FLASH POINT : 240°C TEST METHOD : ASTM D1310 Tag open cup	EXPLOSION LIMITS	LOWER : None UPPER : None
--	------------------	------------------------------

**PRODUCT NAME** : Belzona® 1341 Solidifier (NSF Grade)  
**PRODUCT NUMBER** : 1101/1336  
**N.ap means Not Applicable**

**PAGE 2 OF 4**  
**DATE PREPARED** : 21 October 1997  
**NIA means No Information Available**

OSHA FLAMMABILITY CLASS : N.ap  
FLAMMABILITY INDEX (NFPA) : 1 Slight  
REACTIVITY INDEX (NFPA) : 0 Nil  
HEALTH HAZARD (NFPA) : 2 Moderate  
EXTINGUISHING MEDIA : Water fog (not a direct stream of water), foam, carbon dioxide, dry chemical.

#### **SPECIAL FIRE FIGHTING PROCEDURES**

Wear protective clothing and use self-contained breathing apparatus. Full bunker gear should be worn in extreme cases. Use sand to contain burning material.

#### **UNUSUAL FIRE AND EXPLOSION HAZARDS**

Decomposition and combustion products may be hazardous.

### **SECTION V - HEALTH HAZARDS**

ROUTE(S) OF ENTRY : Skin contact, skin absorption, eye contact.  
PRIME HAZARD(S) : Skin sensitizer and skin irritation.

#### **EFFECTS OF EXPOSURE**

Acute : Skin and eye irritation.  
Chronic : Irritation, sensitization and dermatitis.

#### **EMERGENCY AND FIRST AID PROCEDURES**

Inhalation : If symptoms are experienced, remove source of contamination and/or move victim to fresh air. If recovery is delayed or there are signs of distress obtain medical attention immediately.

Eye contact : Flush eyes with water for 15 minutes. Seek medical advice if any irritation persists.

Skin contact : Immediately remove excess with a clean cloth and wash skin thoroughly with soap and water. If irritation or inflammation persists, seek medical advice.

Ingestion : If swallowed, do not induce vomiting. Rinse mouth with water and drink plenty of water. Call TAMPA BAY Regional Poison Center (Tel.No.1-800-282-3171) and/or seek medical advice.

#### **MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

Skin and eye conditions.

### **SECTION VI - REACTIVITY DATA**

STABILITY : Stable  
STABILITY CONDITIONS TO AVOID : N.ap

#### **INCOMPATIBILITY (MATERIALS TO AVOID CONTACT WITH)**

Strong oxidizing agents, acids, bases and amines.

**PRODUCT NAME** : Belzona® 1341 Solidifier (NSF Grade)  
**PRODUCT NUMBER** : 1101/1336  
**N.ap means Not Applicable**

**PAGE 3 OF 4**  
**DATE PREPARED** : 21 October 1997  
**NIA means No Information Available**

#### HAZARDOUS DECOMPOSITION PRODUCTS

Gaseous combinations of carbon, hydrogen and oxygen may occur at elevated temperatures.

#### HAZARDOUS POLYMERIZATION

Hazardous polymerization will not occur when stored and used as directed.

#### POLYMERIZATION CONDITIONS TO AVOID

N.ap

### SECTION VII - SPILL AND LEAK PROCEDURES

#### SPILLAGE

Absorb with an inert material (e.g. earth or sand). Sweep up, place into suitable labelled containers, seal and dispose of properly. Flush area with detergent and water.

#### WASTE DISPOSAL METHODS

Dispose of in accordance with Local, State and Federal Regulations.

### SECTION VIII - SPECIAL PROTECTION INFORMATION

#### PERSONAL PROTECTIVE MEASURES

**RESPIRATORY** : In confined areas or where good natural/mechanical ventilation is not available an appropriate NIOSH or MSHA approved respirator should be worn.

**SKIN** : Impermeable gloves, such as Neoprene, Nitrile or PVC. Wash hands with soap and water and use hand cream. Suitable protective clothing to minimize skin contact. Remove contaminated clothing and wash before reuse.

**EYE** : Safety glasses or goggles. Eyewash station.

#### MECHANICAL PROTECTIVE MEASURES

**VENTILATION** : Where adequate natural ventilation is not available provide suitable local exhaust ventilation.

#### OTHER PROTECTIVE EQUIPMENT

: Where there is a risk of contamination of footwear, safety boots should be worn and cleaned thoroughly before reuse.

#### OTHER COMMENTS

: Where machining or abrading of cured material leads to the production of respirable and/or nuisance dust, an appropriate NIOSH or MSHA approved respirator should be worn.

**PRODUCT NAME** : Belzona® 1341 Solidifier (NSF Grade)  
**PRODUCT NUMBER** : 1101/1336  
**N.ap means Not Applicable**

**PAGE 4 OF 4**  
**DATE PREPARED** : 21 October 1997  
**NIA means No Information Available**

## **SECTION IX - SAFE HANDLING AND STORAGE**

### **HANDLING AND STORAGE PRECAUTIONS**

#### **HANDLING**

Avoid contact with skin and eyes.

#### **STORAGE**

Overheating may cause containers to rupture. Containers should be stored under cool, dry conditions. Empty containers will retain residue and may be dangerous. Check all containers for leaks at regular intervals and before use.

#### **HYGIENE PRACTICES**

When using, do not eat, drink or smoke. Remove contaminated clothing and launder before reuse. Wash hands with soap and water after handling this product.

## **SECTION X - REGULATORY INFORMATION**

### **SARA TITLE III - NOTIFICATION OF TOXIC CHEMICALS**

None of the constituents of this product are subject to reporting requirements under section 313 of the Superfund Amendment and Reauthorization Act of 1986 (40 CFR Part 372).

### **DISCLAIMER**

To the best of our knowledge, the information contained herein is accurate. However, some of the information presented and conclusions drawn are derived from sources other than direct test data on the product itself and while Belzona Inc. believe such sources to be reliable, the information is provided without any warranty regarding its correctness.

Since Belzona Inc. has no control over the conditions under which the product will be used, liability will not be assumed to exceed replacement or refund of the purchase price of this product. Except as stated herein, there are no express or implied warranties including implied warranties of merchantability or fitness for a particular purpose. Belzona Inc. assumes no liability for injury or incidental or consequential damage arising out of the storage, handling, use or disposal of this product.